Assessed Fourth Grade Students at the End of the School Year

M Assessed one year later than originally scheduled – six year trend from PIRLS 2016

Delayed Assessment of Fourth Grade Cohort at the Beginning of Fifth Grade

Country	Years of Formal Schooling*	Average Age at Time of Testing	Overall Exclusion Rates	Overall Participation Rates (After Replacement
Australia ⋈	4	40.0	4.40/	00%
2021	4	10.0	4.4%	90%
2016	4 4	<u> </u>	4.8%	94%
2011 Austria	4	10.0	4.4%	93%
2021	4	10.3	4.8%	96%
² 2016	4	10.3	5.6%	98%
2011	4	10.3	5.1%	98%
2006	4	10.3	5.1%	97%
Azerbaijan				
2021	4	10.1	2.5%	84%
2016	4	10.1	2.1%	96%
² 2011	4	10.2	7.2%	100%
Bahrain				
2021	4	10.3	1.0%	91%
2016	4	9.9	2.7%	98%
Belgium (Flemish) 2021	4	10.0	2.9%	81%
2021	4 4	10.0	1.6%	92%
⁺ 2006	4 4	10.1	7.1%	92%
Belgium (French)	4		1.1/0	31/0
² 2021	4	10.0	7.4%	95%
² 2016	4	10.0	6.0%	97%
[†] 2011	4	10.1	5.6%	82%
2006	4	9.9	3.9%	95%
Bulgaria				
2021	4	10.7	3.4%	92%
2016	4	10.8	4.3%	95%
2011	4	10.7	2.5%	95%
² 2006	4	10.9	6.4%	94%
2001	4	10.9	2.7%	93%
Chinese Taipei				
2021	4	10.1	1.1%	98%
2016	4	10.1	0.9%	98%
2011	4	10.2	1.4%	99%
2006	4	10.1	2.9%	99%
Croatia † 2021		44.0	4.40/	770/
² 2011	4 4	<u>11.2</u> 10.7	<u>4.4%</u> 7.9%	
Cyprus	4	10.7	1.9%	90%
2021	4	9.8	5.5%	94%
2001	4	9.7	2.0%	97%
Czech Republic	· · ·		21070	0170
2021	4	10.4	5.5%	91%
2016	4	10.3	3.4%	95%
2011	4	10.4	5.1%	94%
2001	4	10.5	5.0%	90%
Denmark				
† 2021	4	10.9	9.1%	85%
² 2016	4	10.8	9.8%	90%
² 2011	4	10.9	7.3%	95%
² 2006	4	10.9	6.2%	96%
Egypt Ψ 2021		10.0	0.00/	0.40/
[₽] 2021 ⁺ 2016	4 4	10.0	<u>8.0%</u> 1.2%	94% 97%
England M	4	10.0	1.270	91%
2021	5	10.3	5.4%	88%
2016	5	10.3	3.7%	96%
† 2011	5	10.3	2.4%	82%
2006	5	10.3	2.4%	92%
† 2001	5	10.2	5.7%	82%
Finland				
2021	4	10.8	2.3%	97%
2016	4	10.8	2.4%	96%
2011	4	10.8	3.1%	95%
France				
2021	4	9.9	5.0%	91%
2016	4	9.8	5.4%	96%
2011	4	10.0	5.2%	97%

* Represents years of schooling counting from the first year of ISCED Level 1.

Trend data are included only for assessment years reported in PIRLS 2021.

We Reservations about reliability because the percentage of students with achievement too low for estimation exceeds 15% but does not exceed 25%. See Exhibit A.2 for population coverage notes 1, 2, and 3. See Exhibit A.5 for sampling guidelines and sampling participation notes \uparrow , \ddagger , and \equiv .

10.0

10.0

10.1

5.2%

3.8%

5.3%

4

4

4

+ Participated in Literacy version of PIRLS 2016.

2011

2006

2001



97%

95%

94%



Grade 4

Assessed Fourth Grade Students at the End of the School Year

M Assessed one year later than originally scheduled – six year trend from PIRLS 2016

				(Continue Overall
Country	Years of Formal Schooling*	Average Age at Time of Testing	Overall Exclusion Rates	Participation Rates (After Replacement
Georgia				
2021	4	<u>10.6</u> 9.7	2.7%	<u>91%</u> 96%
¹ 2016 ¹ 2011	4	9.7	<u>3.8%</u> 4.9%	96%
2006	4	10.0	7.3%	98%
Germany		10.1	1.576	30 //
2021	4	10.4	4.0%	85%
2016	4	10.3	4.2%	95%
2011	4	10.4	1.9%	95%
2006	4	10.5	0.7%	92%
2001	4	10.5	1.8%	86%
Hong Kong SAR				
2021	4	10.1	7.7%	87%
2016	4	9.9	10.1%	79%
3 2011	4	10.1	11.8%	83%
2006	4	10.0	3.9%	97%
2001	4	10.2	2.8%	97%
Hungary 2021	1	11.0	4.00/	040/
2021 2016	4 4	<u>11.2</u> 10.6	<u>4.9%</u> 4.5%	91% 97%
2016	4	10.6	4.5%	97%
2006	4	10.7	3.7%	96%
2000	4	10.7	2.1%	95%
Iran, Islamic Rep. of M	т 	10.7	£.170	<u> </u>
2021	4	10.2	1.8%	97%
± 2016	4	10.2	4.1%	99%
2011	4	10.2	4.5%	99%
2006	4	10.2	3.8%	99%
2001	4	10.4	0.5%	98%
Ireland				
2021	4	11.0	3.6%	94%
2016	4	10.5	3.1%	96%
2011	4	10.3	2.5%	95%
Israel M				
3 2021	4	10.0	25.7%	88%
³ 2016 ³ 2011	4	10.0	24.9%	94%
2011	4	10.1	24.6%	93%
Italy 2021	4	9.8	5.7%	92%
2016	4	9.7	4.9%	95%
2010	4	9.7	3.7%	95%
2006	4	9.7	5.3%	97%
2001	4	9.8	2.9%	98%
Kazakhstan				
2021	4	10.8	3.9%	97%
2016	4	10.3	4.9%	99%
Latvia				
2021	4	11.3	4.8%	90%
² 2016	4	10.9	7.8%	91%
2006	4	11.0	4.7%	92%
2001	4	11.0	4.6%	89%
Lithuania				
2021	4	11.3	4.5%	82%
2016 2 2011	4	10.8	4.2%	95%
2011	4	10.7	5.6%	94%
¹ 2006 ¹ 2001	4 4	10.7 10.9	<u>5.1%</u> 3.8%	92% 83%
Macao SAR	4	10.9	3.0%	03%
2021	4	9.9	3.5%	91%
2016	4	10.0	3.6%	98%
Morocco	т 	10.0	5.070	0070
2021	4	10.5	1.6%	96%
± 2016	4	10.2	1.7%	99%
(2011	4	10.5	2.0%	95%
Netherlands				
2021	4	10.1	5.1%	75%
2016	4	10.1	3.1%	86%
[†] 2011	4	10.2	3.7%	89%
† 2006	4	10.3	3.6%	90%
[†] 2001	4	10.3	3.7%	87%

* Represents years of schooling counting from the first year of ISCED Level 1.

Trend data are included only for assessment years reported in PIRLS 2021. X Reservations about reliability because the percentage of students with achievement too low for estimation exceeds 25%.

See Exhibit A.2 for population coverage notes 1, 2, and 3. See Exhibit A.5 for sampling guidelines and sampling participation notes †, ‡, and =.

Georgia assessed students taught in Georgian and in Azerbaijani in PIRLS 2016. ± Participated in both regular and Literacy versions of PIRLS 2016.



Lynch School of Education

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Grade 4

Assessed Fourth Grade Students at the End of the School Year

M Assessed one year later than originally scheduled – six year trend from PIRLS 2016

Country	Years of Formal Schooling*	Average Age at Time of Testing	Overall Exclusion Rates	Overall Participation Rates (After Replacement
New Zealand				
2021	4.5 - 5.5	10.0	3.5%	83%
2016	4.5 - 5.5	<u> </u>	3.7%	92%
2011 2006	4.5 - 5.5 4.5 - 5.5	10.0	<u> </u>	93%
2000	4.5 - 5.5	10.1	3.2%	96%
North Macedonia			01270	00,0
2021	4	9.9	5.3%	85%
2006	4	10.6	4.9%	96%
2001	4	10.7	4.2%	94%
Northern Ireland				
2021	4	10.8	5.5%	81%
2016	4	10.4	3.0%	84%
2011	4	10.4	3.5%	79%
Norway (5)		10.0	4.20/	049/
2021 2016	5	10.8 10.8	<u>4.2%</u> 5.3%	94%
Norway (4)	5	10.0	0.3%	95%
2016	4	9.8	5.1%	95%
2011	4	9.7	4.2%	71%
2006	4	9.8	3.8%	71%
2001	4	10.0	2.8%	82%
Oman				
2021	4	9.8	3.6%	86%
2016	4	9.7	0.6%	98%
2011	4	9.9	1.5%	96%
Poland				
2021	4	10.9	4.8%	87%
2016	4	10.7	3.9%	90%
Portugal 2021	4	10.1	6.4%	96%
2016	4	9.8	7.5%	93%
2010	4	10.0	2.5%	93%
Qatar	·	1010	21070	00,0
2021	4	10.1	3.1%	88%
2016	4	10.0	3.9%	97%
2011	4	10.0	6.2%	99%
Russian Federation				
2021	4	10.8	5.4%	97%
2016	4	10.8	4.1%	98%
2011 2006	4 4	10.8 10.8	5.3% 5.9%	98% 97%
2008	3 or 4	10.8	6.6%	97%
Saudi Arabia	5014	10.5	0.078	51 /0
2021	4	10.4	10.8%	93%
2016	4	9.9	2.3%	96%
2011	4	10.0	1.6%	98%
Singapore				
2021	4	10.4	14.5%	97%
2016	4	10.4	11.1%	97%
2011	4	10.4	6.3%	96%
2006	4	10.4	0.9%	95%
2001 Slovak Bapublia	4	10.1	0.1%	98%
Slovak Republic 2021	4	10.5	2.4%	87%
2016	4	10.3	4.8%	97%
2010	4	10.4	4.6%	96%
2006	4	10.4	3.6%	94%
2001	4	10.3	2.0%	96%
Slovenia				
2021	4	10.0	2.8%	92%
2016	4	9.9	2.4%	90%
2011	4	9.9	2.6%	94%
2006	3 or 4	9.9	0.8%	93%
2001	3	9.8	0.3%	94%
South Africa ⋈ 2021	4	10.0	1 70/	040/
2021 2016	4	10.2	1.7%	84%
2010	4	10.6	2.5%	94%

* Represents years of schooling counting from the first year of ISCED Level 1. Trend data are included only for assessment years reported in PIRLS 2021.

Ψ Reservations about reliability because the percentage of students with achievement too low for estimation exceeds 15% but does not exceed 25%.

X Reservations about reliability because the percentage of students with achievement too low for estimation exceeds 25%. See Exhibit A.2 for population coverage notes 1, 2, and 3. See Exhibit A.5 for sampling guidelines and sampling participation notes †, ‡, and ≡.

+ Participated in Literacy version of PIRLS 2016.

Singapore's increased exclusions in 2016 resulted from increased enrollment in private schools, which predominantly serve international students and are different from public schools in many respects (e.g., different language of instruction and calendar year).



Grade 4

⊘IEA

2021

Assessed Fourth Grade Students at the End of the School Year

M Assessed one year later than originally scheduled – six year trend from PIRLS 2016

Delayed Assessment of Fourth Grade Cohort at the Beginning of Fifth Grade

Country	Years of Formal Schooling*	Average Age at Time of Testing	Overall Exclusion Rates	Overall Participation Rates (After Replacement)
Spain				
2021	4	9.9	4.6%	92%
2016	4	9.9	4.8%	97%
2011	4	9.8	5.4%	96%
2006	4	9.9	5.3%	97%
Sweden				
² 2021	4	10.7	5.5%	90%
2016	4	10.7	5.2%	95%
2011	4	10.7	4.1%	91%
2006	4	10.9	3.9%	96%
2001	4	10.8	5.0%	92%
Turkiye				
² 2021	4	9.9	8.9%	90%
2001	4	10.2	3.9%	97%
United Arab Emirates				
2021	4	10.4	4.1%	90%
2016	4	9.8	3.3%	95%
2011	4	9.8	3.3%	97%
United States				
² ≡ 2021	4	10.7	5.8%	64%
† 2016	4	10.1	4.8%	86%
² 2011	4	10.2	7.2%	81%
2 † 2006	4	10.1	5.9%	82%
† 2001	4	10.2	5.3%	83%
enchmarking Participan	to			
Alberta, Canada				
	4	9.9	10.6%	57%
² 2011	4	9.9	6.8%	94%
² 2006	4	9.9		
2000		9.9	7.1%	96%
British Columbia, Cana ² 2021	4	9.8	6.7%	88%
² 2006	4 4	9.8	7.6%	94%
Quebec, Canada	4	9.0	1.0%	94%
	4	10.7	4.7%	64%
⁼ 2021 ⁼ 2016	4	10.7		
2016	4	10.1	5.1%	<u> </u>
2011 2006		10.1	3.7%	<u>92%</u> 81%
	4		3.6%	
2001	4	10.2	3.3%	89%
Moscow City, Russian		40.7	0.00/	000/
2021	4	10.7	3.9%	98%
2016	4	10.8	3.3%	97%
Abu Dhabi, UAE		10.1	0.70/	000/
2021	4	10.4	2.7%	88%
2016	4	9.7	3.9%	96%
2011	4	9.7	2.7%	96%
Dubai, UAE				
² 2021	4	10.2	10.0%	92%
2016	4	9.9	3.2%	95%
2011	4	9.8	5.1%	94%

* Represents years of schooling counting from the first year of ISCED Level 1.
Trend data are included only for assessment years reported in PIRLS 2021.
See Exhibit A.2 for population coverage notes 1, 2, and 3. See Exhibit A.5 for sampling guidelines and sampling participation notes †, ‡, and ≡.

SOURCE: IEA's Progress in International Reading Literacy Study - PIRLS 2021 Downloaded from https://pirls2021.org/results



Grade 4